

Planetary Gearheads

0,3 Nm

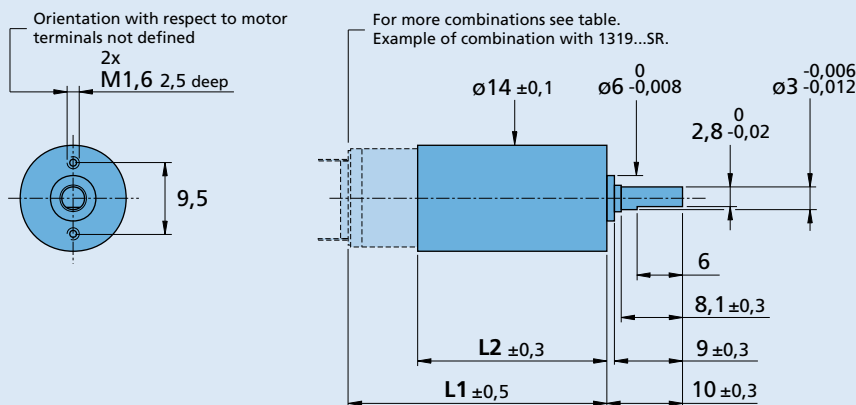
For combination with
DC-Micromotors

Series 14/1

| | 14/1 |
|--------------------------------------|--------------------------|
| Housing material | metal |
| Geartrain material | steel |
| Recommended max. input speed for: | |
| – continuous operation | 5 000 min ⁻¹ |
| Backlash, at no-load | ≤ 1 ° |
| Bearings on output shaft | ball bearings, preloaded |
| Shaft load, max.: | |
| – radial (6,5 mm from mounting face) | ≤ 20 N |
| – axial | ≤ 5 N |
| Shaft press fit force, max. | ≤ 15 N |
| Shaft play | |
| – radial (6,5 mm from mounting face) | ≤ 0,04 mm |
| – axial | = 0 mm |
| Operating temperature range | - 30 ... + 100 °C |

| Technical data | | 1 | 2 | 3 | 4 | 5 | 6 |
|--|-------------|--------|---------------|--------------|---|------------------------------------|-------------------------------|
| Number of gear stages | | | | | | | |
| Continuous torque | mNm | 200 | 300 | 300 | 300 | 300 | 300 |
| Intermittent torque | mNm | 300 | 450 | 450 | 450 | 450 | 450 |
| Mass without motor, ca. | g | 17 | 20 | 24 | 27 | 30 | 34 |
| Efficiency, max. | % | 90 | 80 | 70 | 60 | 55 | 50 |
| Direction of rotation, drive to output | | = | = | = | = | = | = |
| Reduction ratio ¹⁾ (rounded) | | 3,71:1 | 9,7:1 14:1 | 43:1 66:1 | 94:1 112:1 134:1 159:1 190:1 246:1 | 415:1 592:1 989:1 1 526:1 | 2 608:1 4 365:1 5 647:1 |
| L2 [mm] = length without motor | | 20,9 | 25,0 | 29,2 | 33,3 | 37,4 | 41,5 |
| L1 [mm] = length with motor | | | | | | | |
| | 1319T...SR | 34,1 | 38,2 | 42,4 | 46,5 | 50,6 | 54,7 |
| | 1331T...SR | 46,1 | 50,2 | 54,4 | 58,5 | 62,6 | 66,7 |
| | 1336U...CXR | 50,9 | 55,0 | 59,2 | 63,3 | 67,4 | 71,5 |

¹⁾ The reduction ratios are rounded, the exact values are available on request or at www.faulhaber.com.



14/1